

PATENT ABSTRACTS OF JAPAN

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TORIYAMA KAZUHIRO**(54) SELECTIVE GROWTH METHOD FOR MESENCHYMAL STEM CELL FROM FAT-DERIVED CELL GROUP****(57)Abstract:**

PROBLEM TO BE SOLVED: To provide a means which obtains ≥ 108 mesenchymal stem cells per case of a disease necessary for regeneration treatment of mesenchymal tissue without imposing a burden on a patient and selectively grows the mesenchymal stem cells, a means for separating the mesenchymal stem cells and a means for improving efficiency of growth technology.

SOLUTION: The method comprises obtaining the mesenchymal stem cells which are fibroblasts settling on a bed floor and growing when a floating fat cell group is separated from a cell-type mixed group obtained by enzyme treatment of a small amount of a fat piece collected from human by centrifugal separation and allowing the fat cell group to stand in a state in which the fat cell group is in contact with the ceiling surface of an incubator charged with a culture solution. The mesenchymal stem cells are grown by subculture and are differentiated into at least bone, cartilage and fat cells.



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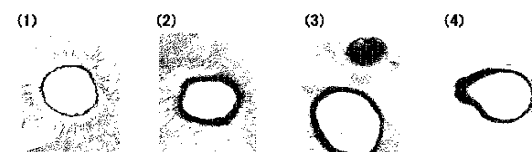
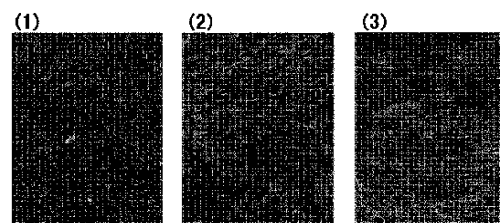
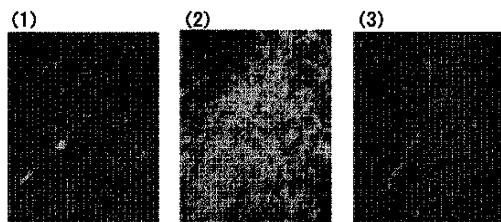
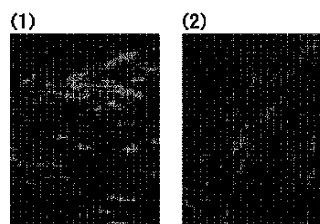
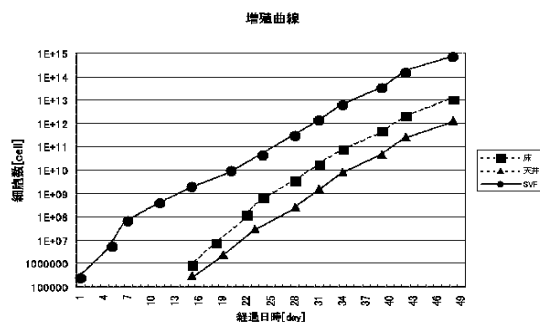
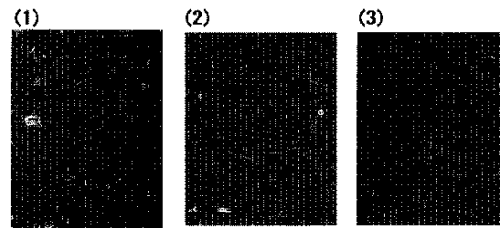
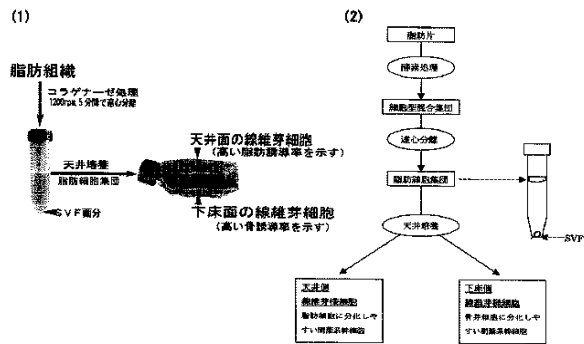
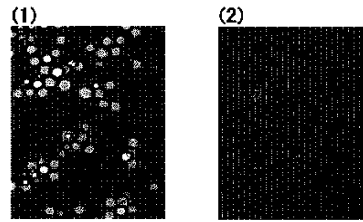
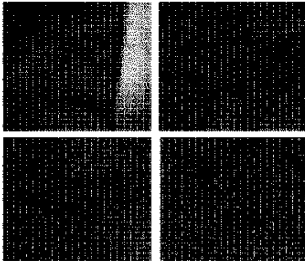
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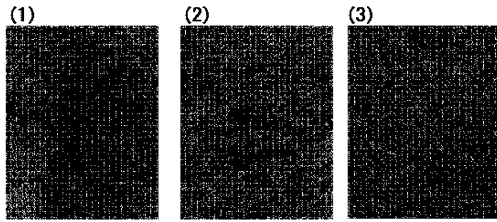
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